

This listing of claims will replace all prior versions, and listings, of claims in the applications:

Listing of Claims:

Claim 1. (Currently Amended) An automatic roller wringer for mops and the like, ~~of these constituted of~~ comprising an external casing [(2)] which is provided with a front, central hollow area [(4)], provided with means for being adapted on a bucket or the like provided with wheels, there being in the rear area a switch [(8)] and a charging connection [(9)] for connecting a battery charger, a door [(18)] or cover for the battery box being arranged, characterized in that one or two motors [(15)], as well as a series of gears, are incorporated inside the casing [(2)], the motors being fed from ~~one or several batteries or accumulators~~ at least one battery or accumulator [(14)], having two asymmetrical arms on either side, and two transversal rollers [(5) and (7)] arranged in the hollow area [(4)], second roller [(7)] shifting until coinciding with first roller [(5)] by means of two projecting lugs connected to the arms, the lugs resting on two parallel guides (6) arranged on the inner faces of the hollow area [(4)], first roller [(5)] rotating but remaining fixed in the point in which it is located.

Claim 2. (Currently Amended) An automatic roller wringer for mops and the like according to claim 1, characterized by being provided with two main gears [(12)] asymmetrically assembled on either side, engaging with the first roller [(5)], the main gears [(12)] being provided with an eccentric guide on the lower part of each one of them through which the pivots of the movable arms pass, which arms generate the advance and pressure of the second roller [(7)] on the mop and on the fixed, first roller [(5)] which upwardly rotates along the entire length of the mop, the second roller [(7)] returning to its standstill position.

Claim 3. (Currently Amended) An automatic roller wringer for mops and the like according to ~~the previous claims~~ claim 1, characterized in that the part of the arms which support the second roller [(7)] are provided with a spring on each one of the arms, starting up by means of the main switch [(8)], with the collaboration of the external actuator [(10')] generating the start up of the internal actuator or push button [(10)], the motor maintaining rotation until the microcontroller [(11)] determines the stop of the motors and carries out the feeding of the circuit in the entire run.

Claim 4. (Currently Amended) An automatic roller wringer for mops and the like according to ~~the previous claims~~ claim 1, characterized in that one of the main gears [[(12)]] is provided with a projection [[(13)]] which generates the operation of the microswitch [[(11)]].

Claim 5. (Currently Amended) An automatic roller wringer for mops and the like according to ~~the previous claims~~ claim 1, characterized in that the wringing process is generated with a single rotation of the main gears [[(12)]], the circuit thereby being open.

Claim 6. (Currently Amended) An automatic roller wringer for mops and the like according to ~~the previous claims~~ claim 1, characterized by being provided with a polarizing diode [[(17)]] and a thermal element [[(16)]].

Claim 7. (New) An automatic roller wringer for mops and the like according to claim 2, characterized in that the part of the arms which support the second roller are provided with a spring on each one of the arms, starting up by means of the main switch, with the collaboration of the external actuator generating the start up of the internal actuator or push button, the motor maintaining rotation until the microcontroller determines the stop of the motors and carries out the feeding of the circuit in the entire run.

Claim 8. (New) An automatic roller wringer for mops and the like according to claim 2, characterized in that one of the main gears is provided with a projection which generates the operation of the microswitch.

Claim 9. (New) An automatic roller wringer for mops and the like according to claim 2, characterized in that the wringing process is generated with a single rotation of the main gears, the circuit thereby being open.

Claim 10. (New) An automatic roller wringer for mops and the like according to claim 2, characterized by being provided with a polarizing diode and a thermal element.

Claim 11. (New) An automatic roller wringer for mops and the like according to claim 3, characterized in that one of the main gears is provided with a projection which generates the operation of the microswitch.

Claim 12. (New) An automatic roller wringer for mops and the like according to claim 3, characterized in that the wringing process is generated with a single rotation of the main gears, the circuit thereby being open.

Claim 13. (New) An automatic roller wringer for mops and the like according to claim 3, characterized by being provided with a polarizing diode and a thermal element.

Claim 14. (New) An automatic roller wringer for mops and the like according to claim 7, characterized in that one of the main gears is provided with a projection which generates the operation of the microswitch.

Claim 15. (New) An automatic roller wringer for mops and the like according to claim 7, characterized in that the wringing process is generated with a single rotation of the main gears, the circuit thereby being open.

Claim 16. (New) An automatic roller wringer for mops and the like according to claim 7, characterized by being provided with a polarizing diode and a thermal element.

Claim 17. (New) An automatic roller wringer for mops and the like according to claim 4, characterized in that the wringing process is generated with a single rotation of the main gears, the circuit thereby being open.

Claim 18. (New) An automatic roller wringer for mops and the like according to claim 4, characterized by being provided with a polarizing diode and a thermal element.

Claim 19. (New) An automatic roller wringer for mops and the like according to claim 8, characterized in that the wringing process is generated with a single rotation of the main gears, the circuit thereby being open.

Claim 20. (New) An automatic roller wringer for mops and the like according to claim 8, characterized by being provided with a polarizing diode and a thermal element.

Claim 21. (New) An automatic roller wringer for mops and the like according to claim 11, characterized in that the wringing process is generated with a single rotation of the main gears, the circuit thereby being open.

Claim 22. (New) An automatic roller wringer for mops and the like according to claim 11, characterized by being provided with a polarizing diode and a thermal element.

Claim 23. (New) An automatic roller wringer for mops and the like according to claim 14, characterized in that the wringing process is generated with a single rotation of the main gears, the circuit thereby being open.

Claim 24. (New) A automatic roller wringer for mops and the like, comprising:

- an external casing, which is provided with a front, central hollow area and which is adapted to be received on an edged support;

- at least one motor mounted within said casing

- a first roller and a second roller, wherein one of said rollers is movable and the other of said rollers is fixed, with respect to said casing;

- a pair of asymmetrical arms mounted on opposite sides of said movable roller and further comprising projecting pivots, wherein a pair of pressuring springs are fitted into a pair of cavities, each of said cavities being formed within one of said arms; and

- a pair of main gears, asymmetrically mounted on opposite sides of said cavity, each of said gears comprising an eccentric guide formed on a lower portion of said gear, such that said guides receive said pivots and said gears engage said movable roller, whereby said gears are operatively connected to said movable roller and whereby said gears advance said movable roller toward said fixed roller.

Claim 25. (New) The automatic roller wringer of claim 24, wherein said at least one motor is an electric motor and said at least one motor is adapted to be powered by a battery or accumulator.

Claim 26. (New) The automatic roller wringer of claim 24, wherein one of said main gears further comprises a projection which engages a microswitch to switch on and to switch off said at least one motor.

Claim 27. (New) The automatic roller wringer of claim 24, wherein said main gears are adapted such that said movable roller reaches said fixed roller by a single rotation of said main gears.